

## ABSTRACT

Methods for removing organolead compounds from aqueous and non-aqueous organolead compositions. The methods of the present invention include: providing aqueous or non-aqueous compositions including organolead compounds; ozonating the organolead compositions with ozone, 5 wherein the organolead compounds are oxidized producing insoluble lead oxide polymers; contacting the aqueous or non-aqueous compositions including insoluble lead oxide polymers through activated carbon to remove the insoluble lead oxide polymers; filtering the aqueous or non-aqueous compositions including lead oxide polymers through at least one filtering means to remove the insoluble lead oxide polymers; and recovering the aqueous or non-aqueous compositions 10 substantially free of organolead compounds and/or other unwanted contaminants or impurities.